

WHAT IS CLAIMED IS:

1. An electro-hydraulic power steering apparatus comprising:

a motor having a rotational shaft and provided with a bearing for rotatably bearing the rotational shaft;

a hydraulic pump disposed at one end of the rotational shaft of the motor and driven by the motor;

a first elastic body for supporting the bearing; and

a second elastic body for pressing the bearing in an axial direction.

2. The electro-hydraulic power steering apparatus according to claim 1, further comprising:

a control circuit for controlling excitation of the motor, the control circuit disposed between the motor and the hydraulic pump.

3. The electro-hydraulic power steering apparatus according to claim 1,

wherein the bearing includes a plurality of bearings including a first bearing on the side of the hydraulic pump and a second bearing on the opposite side of the hydraulic pump; and

the first bearing has a larger size than the second bearing.

4. The electro-hydraulic power steering apparatus according to claim 1,

wherein the bearing includes a plurality of bearings including a bearing being disposed on the opposite side of the hydraulic pump and having an outer ring;

the bearing on the opposite side of the hydraulic pump is accommodated by a receiving portion, defining a gap between an outer diameter thereof and an inner diameter of the receiving portion; and

the gap accommodates the first elastic body which supports the bearing on the opposite side of the hydraulic pump and the second elastic body which presses the outer ring in the axial direction.

5. The electro-hydraulic power steering apparatus according to claim 1,

wherein the second elastic body includes at least one of a wave washer and a disc spring.

6. The electro-hydraulic power steering apparatus according to claim 5,

wherein the second elastic body further includes an elastic body for pressing at least one of the wave washer and the disc spring in the axial direction.

7. The electro-hydraulic power steering apparatus according to claim 1, wherein the first and second elastic bodies are integrally formed.